Notice

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Thank you for purchasing a HUMAX product. Please read this user manual carefully to be able to safely install, use and maintain the product at maximum performance. Keep this user manual next to your product for future reference. The information in this document is subject to change without notice.

Notice

Read this manual carefully and make sure you understand the instructions provided. For your safety, be aware of the following precautions.

Warnings, Cautions and Notes

Throughout the whole manual, pay special attention to the following marks that indicate hazardous situations.

- **Warning**
  Indicates a hazardous situation which, if not avoided, could result in (serious) injury.
- **Caution**
  Indicates a situation which, if not avoided, could damage the equipment or other apparatus.
- **Note**
  Indicates additional information to make the user aware of possible problems and information of any importance to help understand, use and maintain the installation.

To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

This symbol indicates **dangerous voltage** inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

Safety Warning

This product has been manufactured to comply with international safety standards. Please read the following safety precautions carefully.

Safety Instructions and Precautions

1. **MAINS SUPPLY**

   90 - 250V AC 50/60Hz
   Operate your product only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your local power company. Disconnect the product from the mains before you start any maintenance or installation procedures

2. **OVERLOADING**

   Do not overload a wall outlet, extension cord or adapter as this may result in electric fire or shock.

3. **LIQUIDS**

   The product should not be exposed to any liquids such as dripping or splashing. In addition, no objects filled with liquids, such as vase, should be placed on the apparatus.

4. **CLEANING**

   Disconnect the product from the wall outlet before cleaning.
   Use a light damp cloth (no solvents) to dust the product.

5. **VENTILATION**

   The slots on top of the product must be left uncovered to allow proper airflow the unit. Do not stand the product on soft furnishings or carpets. Do not stack electronic equipment on top of the product.

6. **ATTACHMENTS**

   Do not use any unsupported attachments as these may be hazardous or cause damage the product.

7. **CONNECTION TO THE CABLE TV SIGNAL AND TV**

   Connect all components before plugging any power cords into the wall outlet. Always turn off the product, TV and other components before you connect or disconnect any cables.

8. LOCATION

Place the product indoors to avoid exposing it to lightning, rain or sun.
Do not place it near a radiator or heat register.
Make sure it has more than 10 cm clearance from any appliances susceptible to electromagnetic influences, such as a TV or a VCR.
Do not block the openings with any object and do not place the product on a bed, sofa, rug, or other similar surface.
If you place the product on a rack or bookcase, ensure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.
Do not place the product on an unstable cart, stand, tripod, bracket or table from where it can fall. A falling product can cause serious injury to a child or adult and serious damage to the appliance

9. LIGHTNING, STORM, or NOT IN USE

Unplug the product from the wall outlet and disconnect the cable during a thunderstorm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-surges.

10. EXTRANEOUS OBJECTS

Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts

11. REPLACEMENT of PARTS

When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer, or those that have the same characteristics as the original part.
Unauthorized substitution may result in additional damage to the unit.

Warning

1. Follow these directions in order to avoid damage of the power cord or plug.
   Do not modify or process the power cord or plug arbitrarily.
   Do not bend or twist the power cord.
   Make sure to disconnect the power cord holding the plug.
   Keep heating appliances as far as possible from the power cord in order to prevent the cover vinyl from melting.
   The mains plug shall remain readily operable.
2. Follow these directions. Failure to follow any of them may cause electrical shock.
   Do not open the main body.
   Do not insert metals or inflammable objects inside the product.
   Do not touch the power plug with wet hands.
   Disconnect the power cord in case of lightning.
3. Do not use the product when it is out of order. If you continue to use the product when defective, a serious damage can be caused toit. Make sure to contact your local product distributor if the product is out of order.
4. Please do not insert metal or alien substance into the slots for the modules and Smartcards. It may cause damage to the product and reduce its life span.

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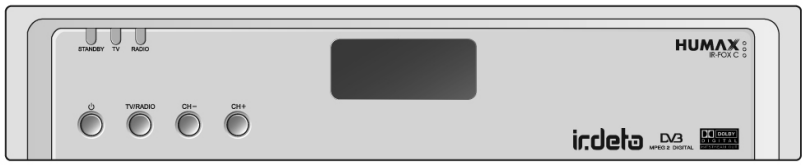
1. Before Using the Product

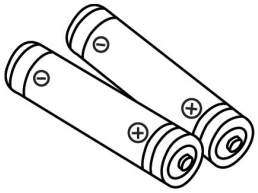
This chapter provides detailed instructions on the product and its accessories.

1.1 Package Contents

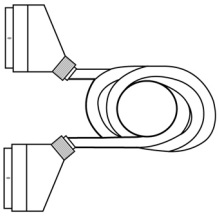
Please check all package contents before using the product.



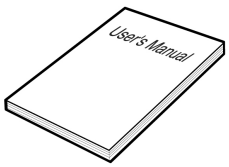
Remote Control



Batteries



SCART Cable



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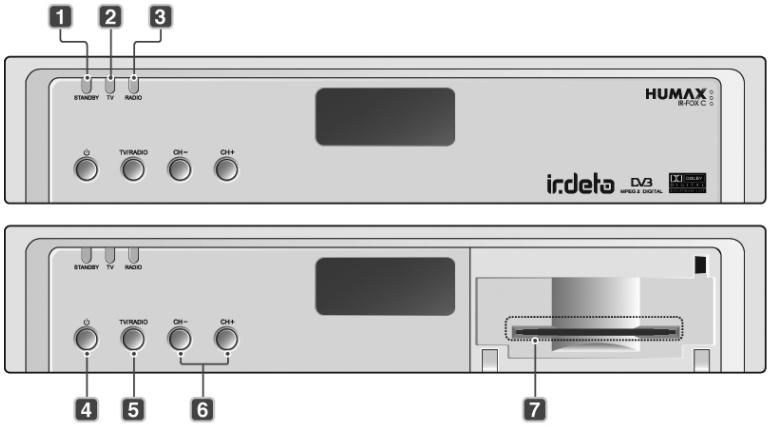
Note:

- Faults may occur if the remote control is being left without a battery for a long time. Always keep the battery inserted in the remote control.
- Package contents may vary according to area.

1. Before Using the Product

1.2 Front Panel



1. **STANDBY LED**
   Red light is emitted when the product is in standby mode.
2. **TV LED**
   Green light is emitted when the product is in TV mode.
3. **RADIO LED**
   Amber light is emitted when the product is in radio mode.
4. **STANDBY Button**
   Switches between operation and standby modes.
5. **TV/RADIO Button**
   Switches between TV and radio.
6. **CH-/CH+ Button**
   Moves the TV/radio channel up/down.
7. **SMARTCARD SLOT**
   Slot for a Smartcard.

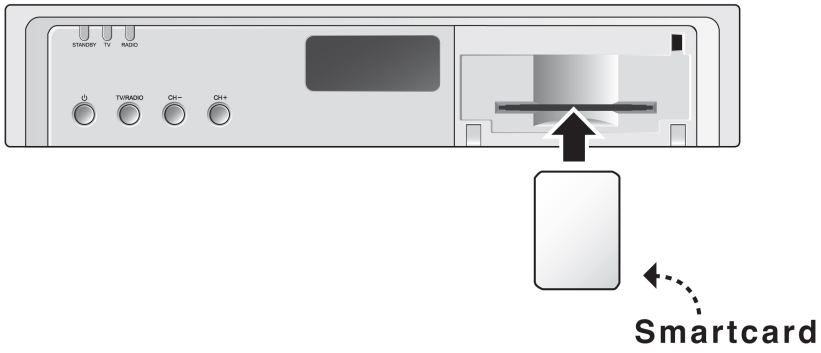
1.3 Conditional Access

Although some TV and radio channels are free to air, most TV and radio/music channels are available on a subscription basis and can only be enjoyed via a Conditional Access component. The Conditional Access component is a removable Smartcard.

1. Inserting the Smartcard

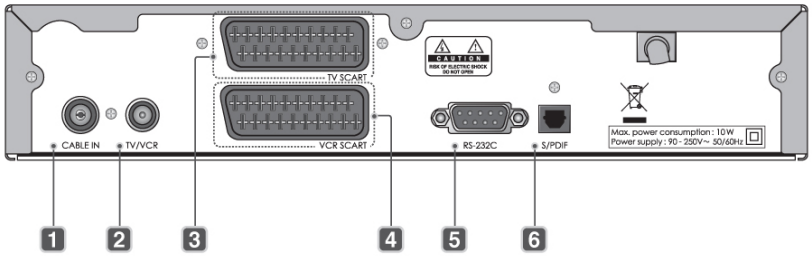
The Smartcard looks similar to a credit card and is inserted into the slot behind the right-hand front flap of the product. A valid Smartcard entitles you to view and listen to all the channels you choose to subscribe to.

1. Open the right-hand flap on the front panel of the product. Swing it down wards to expose the card slot.
2. Hold the Smartcard horizontally with the electronic chip (small square-shaped, gold in colour) facing downwards.
3. Insert the Smartcard into the top slot until the card is completely in.



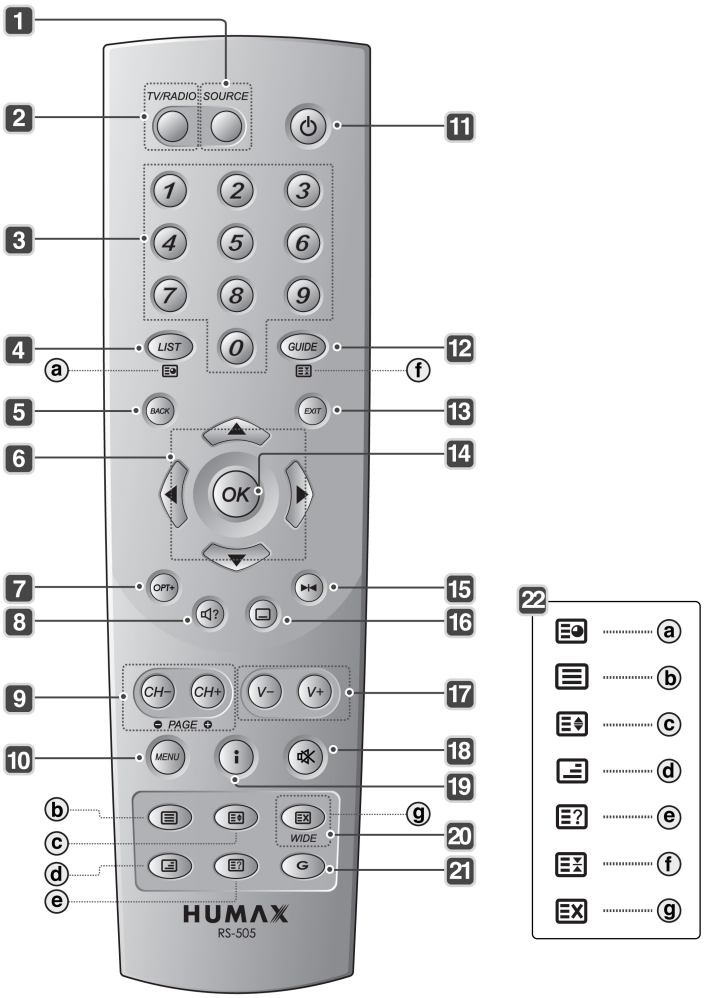
1. Before Using the Product

1.4 Rear Panel



1. **CABLE IN**
   Connects a cable to the CABLE input jack of the product.
2. **TV/VCR**
   Connects the RF input jack of the TV/VCR to the product.
3. **TV SCART**
   Connects to a TV SCART cable.
4. **VCR SCART**
   Connects to a VCR SCART cable.
5. **RS-232C**
   Connects to the PC to update the software programme of the product.
6. **S/PDIF**
   Outputs the digital audio signals(S/PDIF).

1.5 Remote Control



1. **SOURCE**

   Controls the input of TV.

2. **TV/RADIO**

   Switches between TV and radio modes.

3. **NUMERIC(0~9) BUTTONS**

   Enters a TV/radio channel number or menu option number.

4. **LIST**

   Displays the channel list.

5. **BACK**

   Returns to the previous menu and screen.

6. **ARROW BUTTONS**

   Changes the channel or moves the cursor up, down, left or right.

7. **OPT+ (OPTION)**

   Displays the channel attributes while watching a programme.

8. **AUDIO**

   Displays the audio list.

9. **CH-/CH+ or PAGE-/PAGE+**

   Changes the channel or page.

10. **MENU**

    Displays the main menu.

11. **STANDBY**

    Switches between operation and standby modes.

12. **GUIDE**

    Displays the programme guide.

13. **EXIT**

    Exits all On-Screen Display (OSD) screens.

14. **OK**

    Selects a menu, or confirms the selected operation. And displays the channel list while watching a programme.

15. **FREEZE**

    Freezes the TV screen you are watching. Play the audio continuously.

16. **SUBTITLE**

    Displays the subtitle language list.

17. **V-/V+**

    Adjusts the audio volume.

18. **MUTE**

    Mutes or unmutes the audio temporarily.

19. **i (INFORMATION/INDEX)**

    Displays the information about the channel and programme in normal viewing mode. Moves to the index page in teletext mode.

20. **WIDE**

    Changes the display format.

21. **G (Game)**

    Displays games.

22. **TELETEXT**

    a. **SUB-PAGE**
    Search the sub-page in teletext mode. If it is not in the teletext mode, display the current time.

    b. **TELETEXT ON/OFF**
    Switches between teletext and TV modes.

    c. **DOUBLE**
    Displays the text size as double size.

    d. **MIX**
    Adjusts transparency of teletext screen.

    e. **REVEAL**
    Displays the concealed information.

    f. **HOLD**
    Holds the current page not updating it.

    g. **CANCEL**
    Hides the teletext leaving only the page number.

2. Setup

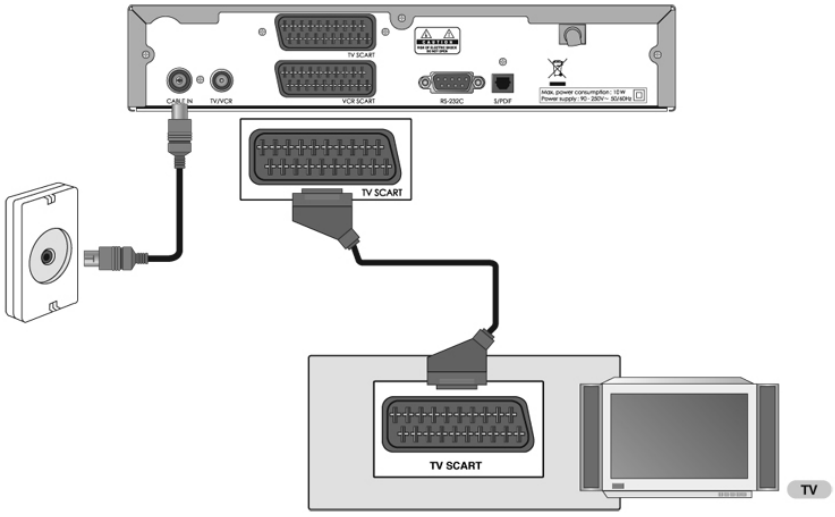
This chapter describes how to connect the product to the TV with the particular equipments for gaining optimum signal quality. The product provides various interfaces to connect to the TV, VCR or other devices. Select the most appropriate procedure depending on the equipment you have.

Note: If you encounter any problems setting up your product, please contact your local product distributor.

2.1 Connecting the Cable

1. Connecting TV

This is the most simple setup mode.

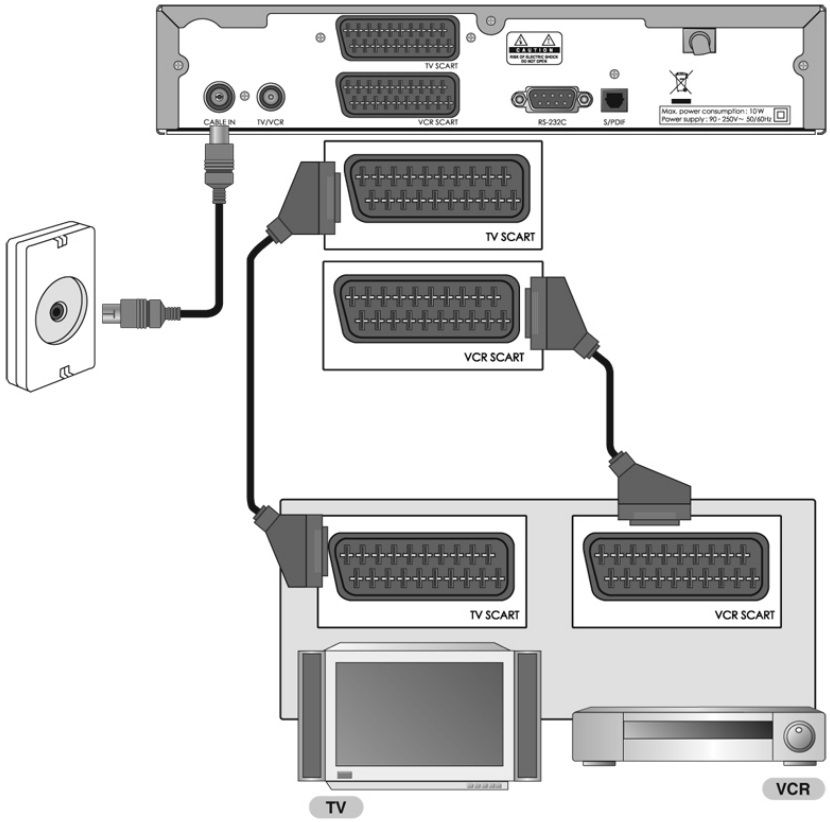


- Connect your CATV line to the CABLE IN socket on the product for receiving cable services.
- The TV SCART is connected as in the figure above.

2. Setup

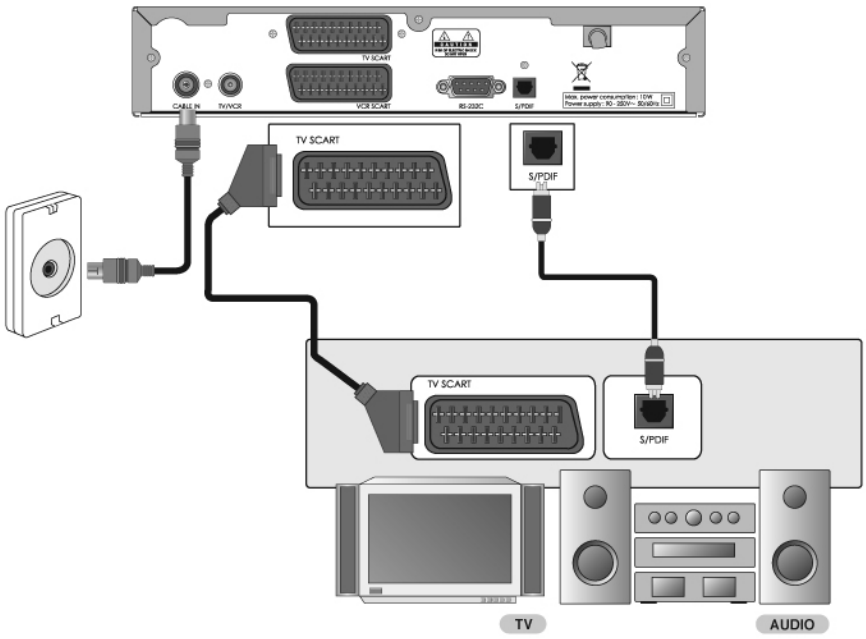
2. Connecting TV/VCR with 2 SCARTs

This is the optimal way to connect the product.



3. Connecting Hi-Fi system

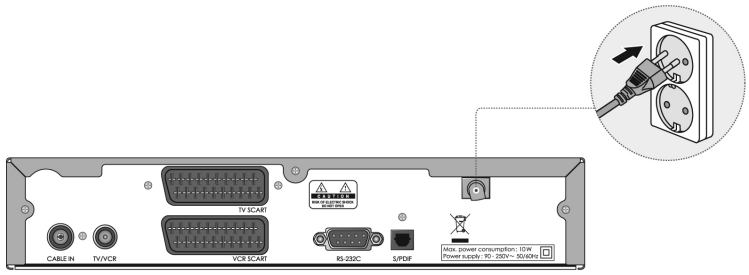
If you wish to connect S/PDIF to the optical S/PDIF terminal and Dolby Digital decoder to listen to digital audio, connect as the following.



2. Setup

2.2 Powering On

1. Connect the power cord of the product to a wall outlet.



2. Power on by pressing the **STANDBY** (⏻) button on the remote control or the **STANDBY** ⏻ button on the front of the product.

3. Installation Wizard

When powering on the product for the first time after purchasing, the installation wizard will operate automatically.

You can easily set-up using simple organisation and options, and watch the broadcasting after completing the set-up procedure. You can select items using the **NUMERIC(0~9)** buttons.

Note:

- If you press the **BACK** (BACK) button or select ***Back*** and press the **OK** (OK) button while running the installation wizard, you can return to the previous screen.
- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

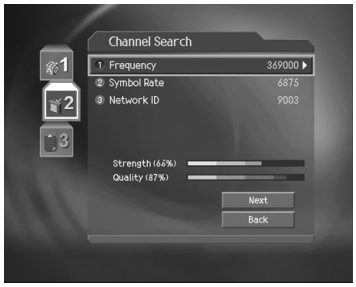
3.1 Language

Select the appropriate language from the list using the ▲/▼ button and press the **OK** (OK) button to save the selected language as a default language for menu, subtitle and audio.

3.2 Channel Search

You can search channels automatically or manually. If you select manual search, you have to set parameters for search.

- **Frequency**: Enter the frequency using the **NUMERIC(0-9)** buttons and press the **OK** (OK) button.
- **Symbol Rate**: Select the symbol rate using the ▲/▼ button and press the **OK** (OK) or ▶ button. If the required value is not listed, then select ***User Define*** and enter the value using the **NUMERIC(0~9)** buttons.
- **Network ID** : Enter the network ID using the **NUMERIC(0-9)** buttons and press the **OK** (OK) button.



Select ***Next*** and press the **OK** (OK) button to start channel search.

3. Installation Wizard

Please wait for finishing the channel search. If you want to stop the operation during search, press the **OK** (OK) button.

Select ***Save*** and press the **OK** (OK) button to save the result and go to the next step.

3.3 Result

It displays the default language, country, time offset and channel search result.

Select ***Finish*** using the ▲/▼ button and press the **OK** (OK) button to complete the installation wizard.

4. Basic Operation

This chapter describes functions such as switching channel, volume control and basic features for watching programmes.

4.1 Switching Channel

You can switch the current channel using one of the following methods.

1. Press the **CH-/CH+** (CH-/CH+) or ▲/▼ button.
2. Enter the channel number using the **NUMERIC(0~9)** buttons to move to the channel directly.
3. Press the **TV/RADIO** (TV/RADIO) button to switch between TV channel and radio channel.

Note: You can switch channel using the channel list or programme guide. For more information, please refer to ***Chapter 5. Channel List*** and ***6 Programme Guide***.

4.2 Volume Control

1. Press the **V-/V+** (V-/V+) or ◀/▶ button to adjust the audio volume.
2. Press the **MUTE** (MUTE) button to stop the audio temporarily.

Note: The mute function remains set while you switch channels.

4.3 Subtitle

If the current programme provides subtitle information, you can select the language for the subtitle.

1. Press the **SUBTITLE** (SUBTITLE) button to display the subtitle language list.
2. Select a subtitle language using the ▲/▼ button and press the **OK** (OK) button. Then the subtitle will be displayed in the selected language at the bottom of the screen.
3. Select ***Off*** from the subtitle language list to hide subtitle from the screen.

Note: You can select a default subtitle language in ***MENU - Preferences - Language Setting - Subtitle Language.***

4. Basic Operation

4.4 Audio

If the current programme is available in multiple audio languages, you can select the language you prefer.

1. Press the **AUDIO** ( ) button.
2. Select an audio language you prefer using the ▲/▼ button and press the **OK** ( ) button.
3. Select audio direction (left, right, stereo) using the ◀/▶ button.

Note:

- You can select the default audio language in ***MENU - Preferences - Language Setting - Audio Language.***
- If the programme in use is Dolby Digital, you cannot set the audio direction.
- If you select **Dolby Digital** in ***MENU - Preferences - Language Setting - Audio Priority***, the programme is automatically broadcasted in Dolby Digital audio regardless of default audio language.

4.5 Teletext

When the channel supports teletext, the teletext icon ( ) is displayed on the i-plate. To enter Teletext mode, press the **TELETEXT ON/OFF** ( ) button or the **SUBTITLE** ( ) button to display teletext.

1. Using Teletext Menu

1. Press the **MENU** ( ) button to display teletext menu in teletext mode.
2. Select the required teletext function using the ◀/▶ button.
3. Press the **OK** ( ) button.

303 >>>>> 300 100 14:55:04
How To Book...
TRAVEL DEALS DIRECT
Our highly trained travel operators can't wait to take your call, to help you find your next holiday.
CALL NOW 08705 77 00 61
The Call Centre hours are as follows:
Monday to Friday 09:00 - 22:00
Saturday 09:00 - 22:00
Sunday 10:00 - 22:00
1/1

Teletext Functions

	Index	Returns to index page. If there is no index page, jump to page 100.
	Sub-page	Searches the sub-page using the sub-code written by users. If it is not in the teletext mode, display the current time.
	MIX	Adjusts the transparency of teletext screen.
	Cancel	Hides the teletext except page number.
	Reveal	Displays the concealed information.
	Double Size	Displays the text size as double size.
	Page Hold	Holds the current page not updating it.

2. Viewing Teletext Page

1. Enter the page number using the **NUMERIC(0~9)** buttons to move to the page directly.
2. Press the ▲ button to move to the next page.
3. Press the ▼ button to move to the previous page.
4. Press the **CH-/CH+** (CH-/CH+) button to move to previous/next page.
5. Press the **BACK** (BACK) button to move back to the recently viewed pages.

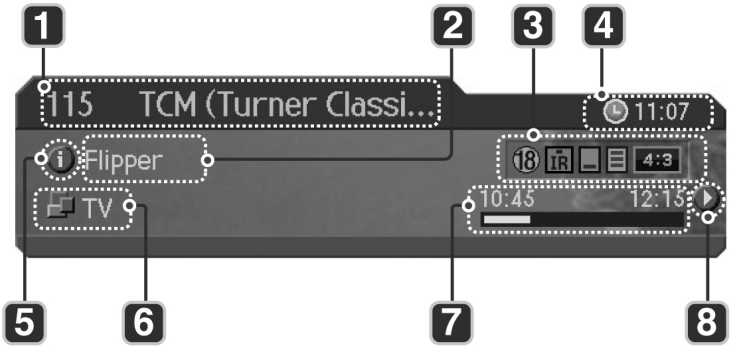
4. Basic Operation

4.6 Programme Information (i-plate)

Programme information is displayed for a certain period of time whenever you switch channels. You can view the programme information by pressing the **i** (ⓘ) button while watching a programme. Press the **EXIT** (EXIT) button to hide the i-plate.

1. General Information

General information is displayed as follows on the screen.



1. Channel number and channel name
2. Programme name
3. Icons

	Displayed only if this programme is reserved.
⑫	Represents parental control level. Indicates the minimum level of ages for viewing the programme.
	Displayed only when the channel is a locked channel.
	Displayed only when the channel is a scrambled channel.
	Displayed only when subtitle information is available.
	Displayed only when there is any teletext information.
Digital	Displayed only when Dolby Digital is in use.
4:3	Represents the screen ratio of the programme.

4. Current time
5. Detail programme information: Displayed if detailed programme information is provided.

6. Channel looping mode and channel list name : If you select ***Within the current channel list*** in ***MENU - Edit Channels - Channel Change Mode,*** the icon of channel looping mode is displayed. And the channel list, which you selected, is displayed.
7. Programme broadcasting time and progress bar: Displays programme playing time and progress bar.
8. Next programme Information : Displayed if next programme information is provided. Press the ▶ button to display the next programme information.

Note: If there is no programme information available, programme information is not displayed.

2. Detailed Programme Information

You can see the detailed information about the current programme. Press the **i** (ⓘ) button when the i-plate is displayed to view detailed information.

Note:

- Press the **i** (ⓘ) button again to hide the information box.
- If the detailed programme information is more than one page, use the ▲/▼ button to move to the previous/next page.

4. Basic Operation

4.7 Option List

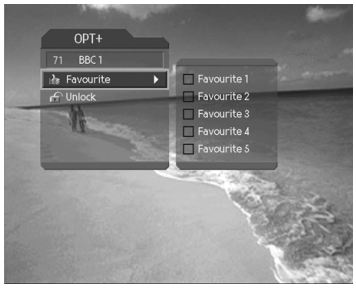
You can view and confirm detailed information about the current channel and change the information if necessary.

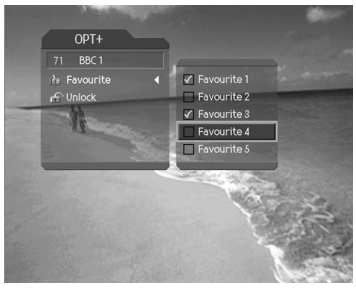
Note: Press the **OPT+** (OPT+) button when the channel list is displayed to view the option list. Then the following functions in the option list are performed to the current channel where the cursor is located.

1. Adding a Channel to Favourite Group

You can add the current channels to Favourite group immediately. Also, you can add a channel to multiple Favourite groups.

1. Press the **OPT+** (OPT+) button.
2. Select ***Favourite*** using the ▲/▼ button and press the ▶ or **OK** (OK) button.
3. Select Favourite group using the ▲/▼ button and press the **OK** (OK) button to register for Favourite group.
4. Press the **OK** (OK) button again on the selected Favourite group to release the registered channel.
5. Move to the parent menu using the ◀ button to save the changes automatically.



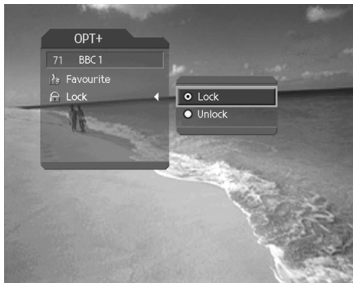


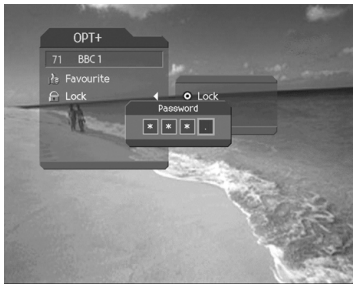
Note: For detailed information about how to change Favourite group's name and how to register all channels in Favourite channel, refer to ***Chapter 5. Channel List.***

2. Locking/Unlocking a Channel

You can lock or unlock the current channel while watching a programme.

1. Press the **OPT+** (OPT+) button.
2. Select ***Lock*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. Select ***Lock*** option using the ▲/▼ button and press the **OK** (OK) button.
4. Select ***Unlock*** option using the ▲/▼ button and press the **OK** (OK) button.
5. You will be prompted to enter your password. Enter your password to unlock the channel.
6. Move to the parent menu using the ◀ button to save the changes automatically.





Note:

- When switching to the locked channel, you must enter the password to watch a programme.
- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

5. Channel List

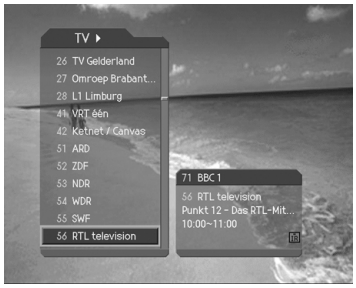
Three types of channel lists are provided for easy and quick channel finding.

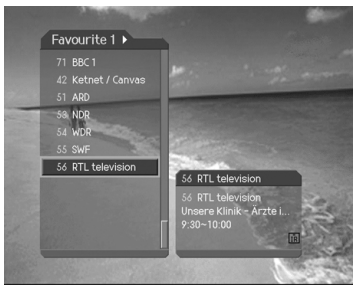
TV	The list of all TV channels with two sub-groups: one is sorted by channel number, the other is sorted by channel name.
Radio	The list of all radio channels with two sub-groups: one is sorted by channel number, the other is sorted by channel name.
Favourite	The list of Favourite channels with five sub-groups that you can organise channels by your private taste.

5.1 Displaying and Switching Channel List

You can display channel list using the **LIST** (LIST) button and switch to another channel on the channel list.

1. Press the **LIST** (LIST) button while watching a programme to display the selected channel list.
2. Select a channel using the ▲/▼ button and press the **OK** (OK) button to change the channel.
3. Enter the channel number directly using the **NUMERIC(0~9)** buttons to move the cursor to the channel you want. And then press the **OK** (OK) button to change to the selected channel.
4. Press the ◀/▶ button to change a channel list group while the channel list is displayed.





Note:

- If there are multiple channels, press the **PAGE-/PAGE+** (CH-/CH+) button to move by page.
- Each time you press the **TV/RADIO** (TV/RADIO) button while the channel list is displayed, the channel list will be switched between TV and radio channel list.
- To display scramble icon ( ) in the channel list, select ***ON*** in ***MENU - Preferences - Miscellaneous Settings - Option in CH List.***
- The sub-group of Favourite channel list may exist or not depending on your configuration.
- If ***Within the Current Channel List*** option is selected in ***MENU - Edit channels - Channel Change Mode,*** you can only change programme within the selected channel list using the **CH-/CH+** (CH-/CH+) button while watching a programme.

5.2 Edit Channel Lists

You can edit all channels or each channel by channel list group.

1. Press the **MENU** (MENU) button.
2. Select ***Edit Channels*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. Select ***Edit Channel Lists*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
4. You will be prompted to enter your password. Enter your password using the **NUMERIC(0~9)** buttons.

Note:

- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.
- Press the **BACK** (BACK) or ◀ button to save the changes and return to the previous menu. Press the **MENU** (MENU) or **EXIT** (EXIT) button to exit the menu screen.
- You can easily navigate all menus using the assigned number for each menu. Press the ***MENU - 2 - 1*** in order to select ***Edit Channel*** .

1. Selecting a Channel Group

You can select the channel list group to edit. TV and radio are included as the channel list groups.

1. Press the **OK** (OK) or ▶ button in group.
2. Select the group using the ▲/▼ button and press the **OK** (OK) button.

Note:

- Press the **TV/RADIO** (TV/RADIO) button to move to the TV or radio channel list directly.
- For editing the Favourite channel list, move to ***MENU - Edit Channels - Edit Favourite Channels*** .

5. Channel List

2. Locking/Unlocking Channels

You can lock or unlock one or more channels.

1. Move the cursor to the channel list using the ◀/▶ button.
2. Select a channel and then press the **OK** (OK) button. You can select multiple channels.
3. Select ***Lock*** using the ▶ button and press the **OK** (OK) button.

Note:

- When the locked channel(s) is selected or all channels are locked, ***Lock*** is switched to ***Unlock*** . When you select ***Unlock*** and press the **OK** (OK) button, locked channel is switched to an unlocked channel.
- Enter the password using the **NUMERIC(0~9)** buttons to watch locked channels.

Note: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

3. Selecting/Unselecting All Channels

You can select/unselect all channels at once.

1. Select ***Select All*** and press the **OK** (OK) button to select all channels.
2. Select ***Unselect All*** and press the **OK** (OK) button to unselect all the selected channels.

5.3 Edit Favourite Channels

You can edit Favourite channel or Favourite channel list.

1. Press the **MENU** (MENU) button.
2. Select ***Edit Channels*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. Select ***Edit Favourite Channels*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
4. You will be prompted to select a ***Favourite Group***. Select a Favourite group you want to edit using the ▲/▼ button and press the **OK** (OK) button.

Note:

- Press the **BACK** (BACK) or ◀ button to save the changes and return to the previous menu. Press the **MENU** (MENU) or **EXIT** (EXIT) button to exit the menu screen.
- You can easily navigate all menu items using the assigned number for each menu. Press the ***MENU - 2 - 2*** in order to select ***Edit Favourite Channels*** .

The buttons for editing the Favourite channel list are described in the following table.

Add	Adds Favourite channel.
Remove	Removes from Favourite channel.
TV/Radio	Switches between TV and radio channel list.
Fav.Group	Changes Favourite channel list group.
Move	Moves the order of channel list within Favourite channel list.
Rename	Renames the name of Favourite channel list.
Sort	Sorts channels by number or name in all TV/radio channel list.
Unselect All	Unselect all the selected channel.

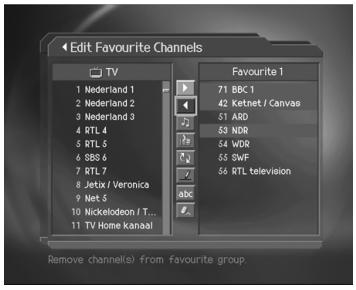
5. Channel List

1. Adding/Removing Favourite Channels

You can add Favourite channel(s) to a specific Favourite channel list or remove the added Favourite channel(s) from the list.

1. Select Favourite group using .
2. Select the channel(s) you want to add in all TV/radio channel list and press to add Favourite channel(s).
3. Select the channel(s) you want to remove from Favourite channel list and press to remove Favourite channel(s).

Note: You can switch between TV and radio channel list using **TV/RADIO** ( ) button or .



2. Moving Favourite Channels

You can move Favourite channel(s) to the location you want within the Favourite channel list. This function changes the location only without changing the channel number.

1. Select Favourite group using .
2. Select the channel to move within the Favourite channel list and press the **OK** (OK) button.
3. Select and press the **OK** (OK) button.
4. Move the cursor to the wanted location using the ▲/▼ button and press the **OK** (OK) button.
5. The selected channel(s) is moved to the location you selected.

3. Renaming Favourite Channel List

You can rename Favourite channel list.

1. Select Favourite group to rename using .
2. Select and press the **OK** (OK) button.
3. Enter Favourite channel list name using the keyboard displayed on the screen.
4. When finishing entering Favourite channel list name, select ***OK*** and press the **OK** (OK) button.

4. Additional Features

Additional features provides many useful functions necessary when editing Favourite channels.

Changing between TV and radio channel list

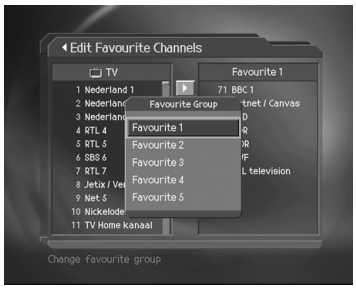
You can add not only TV channel(s) but also radio channel(s) to Favourite channel list. Press to switch all channel list into TV or radio channels.

Note: You can also change to TV or radio channel by pressing **TV/RADIO** ( ) button on the remote control.

5. Channel List

Selecting Favourite channel list

You can select Favourite channel list to edit. Press to display Favourite channel list. Then select the channel list using the ▲/▼ button and press the **OK** (OK) button.



Sorting a channel list

You can sort all TV or radio channel lists by channel number or name for easy Favourite channel searching. If channel lists are sorted by channel number, abc is displayed. When you press this button, all the channel lists are sorted by name. Or, if channel lists are sorted by channel name, abc is switched to 123 . Press this button to order channels by number.

Unselecting all the selected channels

Press to unselect all the selected channels.

5.4 Channel Change Mode

You can change the channel either in the group or in the entire groups while watching a programme.

1. Press the **MENU** (MENU) button.
2. Select ***Edit Channels*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. Select ***Channel Change Mode*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
4. Select ***All Channels*** or ***Within the Current Channel List*** using the ▲/▼ button and press the **OK** (OK) button.

Channel Change Mode
Select your channel changing mode to use CH- / CH+ keys
All Channels
Within the current channel list
Channel navigate in all or your select group.

Note: When ***Within the current channel list*** is selected, you can only change the channel within the current channel list. To change the channel in another channel list in which the current channel list is not located, change the channel list or select ***All channels*** option.

6. Programme Guide

The programme guide displays programme information about each channel, based on the date and time. You can also schedule your watching using the information given.

Note: Press the **GUIDE** (GUIDE) or **EXIT** (EXIT) button to exit the guide screen.

6.1 Viewing Programme Guide Information

You can view programme information for all channels.

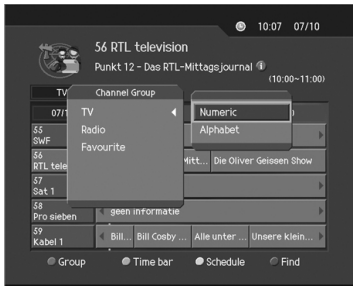
1. Press the **GUIDE** (GUIDE) button.
2. Move to previous/next programme within the same channel using the ◀/▶ button.
3. Move to another channel using the ▲/▼ button. If there are multiple channels, use **PAGE-/PAGE+** (CH-/CH+) button to move to channels by page. Also, you can enter channel number you want using the **NUMERIC(0~9)** buttons on the remote control to move to the channel directly.

4. Select a programme and press the **OK** (OK) button. You can watch the programme if it is on air or reserve it if it is the future programme.
5. Press the **i** (i) button in the selected programme to view the detailed information for the selected channel.

1. Viewing Guide Information by Channel List Groups

You can view programme information of the selected channel list by groups.

1. Press the **GUIDE** (GUIDE) button.
2. Press the **RED** button to display the channel list group.
3. Select a channel list group using the ▲/▼ button.
4. Move the cursor to the sub-group using the ▶ button, select a sub-group using the ▲/▼ button and then press the **OK** (OK) button.
5. The programme guide for the selected channel list is displayed.



6. Programme Guide

2. Viewing Programme Information Using Time Bar

You can quickly search the time zone you want using the time bar.

1. Press the **GUIDE** (GUIDE) button.
2. Press the **GREEN** button to display the time bar.
3. Select the time bar using the ◀/▶ button and press the **OK** (OK) button to move the time bar. If you press the button repeatedly, the same operation is repeated.
4. Each button functions as follows.

Now Moves to the current programme where the cursor is located.

◀ Moves back to the previous programme or 30 minutes before.

▶ Moves forwards to the next programme or 30 minutes ahead.

◀◀ Moves back to 2 hours before.

▶▶ Moves forwards to 2 hours ahead.

◀ Day Moves back to one day before.

Day ▶ Moves forwards to one day ahead.

5. Select ↩ button and press the **OK** (OK) button to exit the time bar.

3. Reserving a Programme

You can make reservations for the future programmes you wish to watch automatically.

1. Select a programme and press the **OK** (OK) button. The following message will be displayed.
2. Select ***OK*** and press the **OK** (OK) button to reserve the programme. When a reservation has been completed, the icon is displayed on the reserved programme.
3. Select the programme you wish to cancel reservation and press the **OK** (OK) button again. Select ***OK*** and press the **OK** (OK) button.

4. If the channel is locked, parental controlled or restricted by watching time, you will be prompted to enter your password. Enter your password to complete the reservation.

Note: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

6.2 Finding a Programme

You can sufficiently find the programme you want by programme name or genre.

1. Press the **GUIDE** (GUIDE) button.
2. Press the **BLUE** button.
3. Enter the programme name directly using the keyboard displayed on the screen.

Note: If you select ***Previous*** or ***Next*** on the keyboard displayed on the screen and press the **OK** (OK) button, the keyboard layout is switched.

4. When entering programme name is complete, select ***Find*** and press the **OK** (OK) button.
5. If you select a programme from the results, press the **OK** (OK) button to watch the programme if it is on air or reserve your programme if it is the future programme.
6. Select ***By Genre*** and press the **OK** (OK) button to search programme by genre.
7. Select the genre and press the **OK** (OK) button.
8. Select the programme you want from the results and press the **OK** (OK) button to watch the programme immediately or reserve the programme. If you want to find another programme, press the **BLUE** button to display the keyboard screen.

Note: The results of the finding programme may differ depending on the provided programme information.

10:00 07/10
Find Programme by Name
Keyword SPORT
ABC
A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z
0 1 2 3 4 5 6 7 8 9 . , !
? ' " : ; ( ) [ ]
Find
By Genre
Previous
Next
Return to Programme Guide

10:01 07/10
Found Programme List
1 Nederland 1
NOS-Sportjournaal (NOS)
NOS-Sportjournaal ... 07/10 11:10 ~ 11:20 1 Nederlan...
NOS-Sportjournaal ... 07/10 16:50 ~ 17:00 2 Nederlan...
NOS-Sportjournaal ... 07/10 20:30 ~ 21:10 2 Nederlan...
NOS-Journaal en NO... 08/10 00:00 ~ 05:00 2 Nederlan...
NOS-Sportjournaal ... 08/10 16:20 ~ 16:25 2 Nederlan...
NOS-Studio Sport (N... 08/10 20:40 ~ 21:40 2 Nederlan...
NOS-Journaal en NO... 08/10 23:50 ~ 05:00 2 Nederlan...
Keyword : SPORT
Total : 84

10:02 07/10
Found Programme List
1 Nederland 1
Cinema.nl en R.A.M presenteren Nederlan
Cinema.nl en R.A.M ... 07/10 11:45 ~ 12:15 1 Nederlan...
Dr. Quinn, medicine ... 07/10 14:10 ~ 15:00 1 Nederlan...
Hack (NCRV) 07/10 21:15 ~ 22:05 1 Nederlan...
Cinema.nl en R.A.M ... 08/10 10:00 ~ 10:45 1 Nederlan...
Toen was geluk heel... 08/10 19:05 ~ 19:35 1 Nederlan...
KRO Detectives: Ins... 08/10 20:30 ~ 22:05 1 Nederlan...
Touched by an angel... 08/10 22:05 ~ 22:55 1 Nederlan...
Genre : Movie
Total : 100

6. Programme Guide

6.3 Viewing Reserved Programme

You can add or edit reserved programmes by viewing the reserved programme list.

1. Press the **GUIDE** (GUIDE) button.
2. Press the **YELLOW** button.

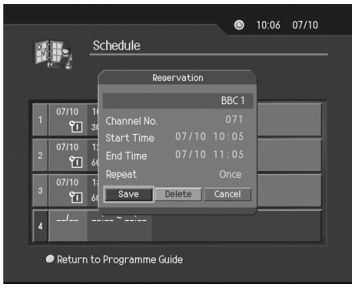
10:04 07/10
Schedule
59 Kabel 1
Alle unter einem D
1 07/10 10:50 ~ 11:20 30 Min Alle unter einem D 59 Kabel 1
2 07/10 12:00 ~ 13:00 60 Min Das Strafgericht 56 RTL television
3 07/10 13:00 ~ 14:00 60 Min Das Familiengerich 56 RTL television
4 --/-- --:-- ~ --:--
Return to Programme Guide

10:04 07/10
Schedule
1 07/10 10:50 ~ 11:20 30 Min Alle unter einem D 59 Kabel 1
2 07/10 12:00 ~ 13:00 60 Min Das Strafgericht 56 RTL television
3 07/10 13:00 ~ 14:00 60 Min Das Familiengerich 56 RTL television
4 --/-- --:-- ~ --:--
Return to Programme Guide

1. Editing a Reserved Programme

1. Select the scheduled programme and press the **OK** (OK) button to edit the reservation information.
2. Change ***Start Time/End Time*** using the ◀/▶ button and the **NUMERIC(0~9)** buttons.
3. Change ***Repeat*** mode using the ◀/▶ button. The options are ***Once, Daily*** and ***Weekly.***
4. Select ***Delete*** and press the **OK** (OK) button to delete the reserved programme.
5. Select ***Save*** and press the **OK** (OK) button to complete.
6. Select ***Cancel*** and press the **OK** (OK) button to cancel.

2. Adding a Reservation



1. Select a blank space and press the **OK** (OK) button to add a new reservation schedule.
2. Enter ***Channel No.*** using the **NUMERIC(0~9)** buttons. The channel name is automatically displayed by channel number.
3. Enter ***Start Time/End Time*** using the ◀/▶ button and the **NUMERIC(0~9)** buttons.
4. Select one of ***Repeat*** mode options among ***Once, Daily*** and ***Weekly*** using the ◀/▶ button.
5. Select ***Save*** and press the **OK** (OK) button to complete.
6. Select ***Cancel*** and press the **OK** (OK) button to cancel the reservation.

Note:

- If the programme is overlapped with another programme, adjust the reservation appropriately.
- If the channel is locked, restricted by watching time, you will be prompted to enter your password to complete the reservation.
- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

7. Setting Preferences

You can set censorship, watching time and all other items suitable for your environment.

Note:

- Press the **BACK** (BACK) or ◀ button to save the changes and return to the previous menu. Press the **MENU** (MENU) or **EXIT** (EXIT) button to exit the menu screen.
- You can easily select any item from the menu using the **NUMERIC(0~9)** buttons.

7.1 Parental Control

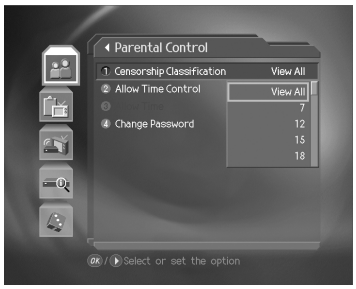
You can set parental control for each programme and watching time. You can also change your password.

1. Press the **MENU** (MENU) button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. Select ***Parental Control*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
4. When prompting message is displayed to request your password, enter the password using the **NUMERIC(0~9)** buttons. The default password is **0000**.

1. Censorship Classification

Censorship Classification allows you to block programmes according to the age level you have set.

1. Select ***Censorship Classification*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
2. Select the required age level using the ▲/▼ button and press the **OK** (OK) button.



View All	All programmes can be watched because there is no age limitation.
7	Programmes are blocked for children under the age of 7.
12	Programmes are blocked for children under the age of 12.
15	Programmes are blocked for children under the age of 15.
18	Programmes are blocked for children under the age of 18.
Lock All	Programmes are blocked without considering the age level.

Note:

- You have to enter the password to watch the programme which is blocked by the age level.
- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.
- Some broadcasting companies do not broadcast the censorship classification information.

2. Allow Time Control

You can block programmes according to the watching time for all the channels.

1. Select ***Allow Time Control*** using the ▲/▼ button.
2. Select ***Enable/Disable*** using the **OK** (OK) or ▶ button.

Enable You can watch a programme only during the time specified by the allow time.

Disable You can watch a programme whenever you want regardless of the allow time.

3. When you have selected ***Enable,*** set ***Start Time/End Time*** using the **NUMERIC(0~9)** buttons and press the **OK** (OK) button.
4. If you wish to cancel the entered time, select ***Cancel*** and press the **OK** (OK) button.

Note:

- Once the setting has been completed, you can watch programme only during the time specified by the allow time. Otherwise you will need to enter the password to watch any programme during unspecified time.
- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

3. Change Password

You can change the existing password.

1. Select ***Change Password*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
2. Enter ***New Password*** using the **NUMERIC(0~9)** buttons, select ***OK*** and press **OK** (OK) button.
3. Enter ***New Password*** again to confirm ***Verify Password*** and press the **OK** (OK) button.

Note: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

7.2 Language Setting

You can set the language for menu, audio and subtitle.

1. Press the **MENU** (MENU) button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. Select ***Language Setting*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.

1. Menu/Audio/Subtitle Language

You can set the language for menu, audio and subtitle.

1. Select ***Menu/Audio/Subtitle Language*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
2. Select the language using the ▲/▼ button and press the **OK** (OK) button.

2. Audio Priority

You can select the priority of audio.

1. Select ***Audio Priority*** using the ▲/▼ button.
2. Select one option from ***Language*** and ***Dolby Digital*** using the **OK** (OK) or ▶ button.

Language	You can watch programme in the selected language.
Dolby Digital	You can listen to sound in Dolby Digital mode. When Dolby Digital is selected, the audio language cannot be changed.

Note: You can choose the Dolby Digital audio stream whenever possible by selecting ***Dolby Digital*** in ***Audio Priority***.

3. Subtitle Display

You can select whether or not to display the subtitle automatically if provided.

1. Select ***Subtitle Display*** using the ▲/▼ button.
2. Select one option from ***Auto*** and ***Manual*** using the **OK** (OK) or ▶ button.

Auto	Subtitles are displayed automatically in the predefined subtitle language.
Manual	Subtitles are displayed in the language when you select the subtitle language by pressing the **SUBTITLE** (▤) button on the remote control.

4. Subtitle Font

You can select the subtitle font.

1. Select ***Subtitle Font*** using the ▲/▼ button.
2. Select one option from ***Variable*** and ***Fixed*** using the **OK** (OK) or ▶ button.

Variable	Uses the horizontally variable subtitle font.
Fixed	Uses the fixed subtitle font.

7. Setting Preferences

7.3 Time Setting

You can specify the Power On/Off time.

1. Press the **MENU** (MENU) button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. Select ***Time Setting*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.

1. Power On

You can set the time when the product is automatically powered on.

1. Select ***Power On*** using the ▲/▼ button.
2. Select ***Enable/Disable*** using the **OK** (OK) or ▶ button.

   Enable Uses Power On and sets the Power On time.

   Disable Does not use Power On.

3. When you have selected ***Enable,*** enter ***Channel No.*** and ***Time*** using the **NUMERIC(0~9)** buttons and press the **OK** (OK) button.

2. Power Off

You can set the time when the product is automatically powered off.

1. Select ***Power Off*** using the ▲/▼ button.
2. Select ***Enable/Disable*** using the **OK** (OK) or ▶ button.

   Enable Uses Power Off and sets the Power Off time.

   Disable Does not use Power Off.

3. When you have selected ***Enable,*** enter ***Time*** using the **NUMERIC(0~9)** buttons and press the **OK** (OK) button.

Note: Once Power On/Off is specified, it is repeated everyday.

7.4 Schedule

You can reserve a programme and watch it anytime you want.

1. Press the **MENU** (MENU) button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. Select ***Schedule*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
4. The reserved programmes will be displayed in time order. Select the programme you want to edit and press the **OK** (OK) button. Select a blank space and press the **OK** (OK) button to add a new reservation.

Note: For detailed information about ***Schedule***, refer to ***6.3 Viewing Reserved Programme***.

7. Setting Preferences

7.5 A/V Control

You can set the audio or video output control.

1. Press the **MENU** (MENU) button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. Select ***A/V Control*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.

1. TV-SCART

You can set TV SCART output.

1. Select TV-SCART using the ▲/▼ button and press the **OK** (OK) or ▶ button.
2. Select one option among **CVBS, RGB** and **S-Video** using the **OK** (OK) button.

2. VCR-SCART

You can set VCR SCART output.

1. Select ***VCR-SCART*** using the ▲/▼ button.
2. Select one option from ***CVBS*** and ***S-Video*** using the **OK** (OK) or ▶ button.

3. Audio Output

You can set the audio output.

1. Select ***Audio Output*** using the ▲/▼ button.
2. Select one option from ***Stereo*** and **Mono** using the **OK** (OK) or ▶ button.

4. Screen Ratio

You can set the aspect ratio of your TV.

1. Select ***Screen Ratio*** using the ▲/▼ button.
2. Select one option from ***4:3*** and **16:9** using the **OK** (OK) or ▶ button.

5. Display Format

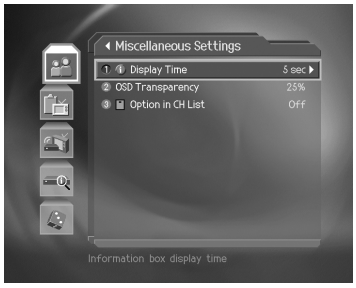
You can select the display format according to TV screen ratio.

1. Select ***Display Format*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
2. If the ***Screen Ratio*** is set to ***4:3***, you can select one among ***16:9 Letter Box, 14:9 Letter Box, Center Mode*** and **Auto** using the ▲/▼ button, and press the **OK** (OK) button.

Note: If the ***Screen Ratio*** is set to ***16:9, Display Format*** is deactivated.

7.6 Miscellaneous Settings

1. Press the **MENU** (MENU) button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. Select ***Miscellaneous Settings*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.



1. i-Plate Display Time

You can set the duration the information box is to be displayed when you switch the channel.

1. Select ***i-Plate Display Time*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
2. Select a value between 1~20 seconds using the ▲/▼ button and press the **OK** (OK) button.

Note: When it is set to ***Disable,*** the i-Plate will not be displayed when you switch the channel.

2. OSD Transparency

You can set the transparency of On Screen Display (OSD).

1. Select ***OSD Transparency*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
2. Select one option among ***Disable, 25, 50*** and ***75*** using the ▲/▼ button and press the **OK** (OK) button.

Disable	Fully opaque screen
25, 50, 75	As the number is bigger, the screen is more transparent.

3. Option in CH List

You can set whether or not to display the scrambled icon in channel list.

1. Select ***Option in CH List*** using the ▲/▼ button.
2. Select one option from ***On/Off*** using the **OK** (OK) or ▶ button.

On	Scramble icon is displayed in the channel list.
Off	Scramble icon disappears from the channel list.

8. Installation

This chapter describes how to search for channels and a series of procedures.

8.1. Channel Search

If your product is connected to the cable and television, you can search channels manually by searching parameters, if you know the MUX information.

1. Press the **MENU** (MENU) button.
2. Select ***Installation*** using the ▲/▼ button, and press the **OK** (OK) button. You will be prompted to enter your password.
3. Select ***Channel Search*** using the ▲/▼ button, and press the **OK** (OK) or ▶ button.

1. Frequency

1. Select ***Frequency*** using the ▲/▼ button, and press the **OK** (OK) or ▶ button.
2. Enter the frequency using the **NUMERIC(0-9)** buttons and press the **OK** (OK) button.

2. Symbol Rate

1. Select ***Symbol Rate*** using the ▲/▼ button, and press the **OK** (OK) or ▶ button.
2. Select the symbol rate value using the ▲/▼ button, and press the **OK** (OK) button.
3. When you select ***User Define*** to set symbol rate manually, enter symbol rate value using the **NUMERIC(0~9)** button.

8. Installation

3. Network ID

1. Select ***Network ID*** using the ▲/▼ button, and press the **OK** (OK) or ▶ button.
2. Enter the network ID using the **NUMERIC(0-9)** buttons and press the **OK** (OK) button.

4. Search

You can complete the setting and start searching.

1. Select ***Search*** and press the **OK** (OK) button to start Channel Search.
2. Wait while the product searches for the channels, this may take a few minutes.
3. During operating search, the cursor is located at ***Stop***. Therefore, if you press the **OK** (OK) button during searching, the operation is stopped and only the channels found so far will be displayed.
4. If the search operation is successfully completed, and no channels are found, press the **OK** (OK) button and try to reset the search operation again if necessary.
5. When completing channel search, select ***Save***, and press the **OK** (OK) button to save the changes.

8.2 Software Update

For detailed information on updating software, refer to ***Chapter 9. Software Update***.

8.3 Default Setting

Default Setting restores the product to the default settings.

Warning: Please note that once you perform the default setting, all data such as the channel list and user configured data are deleted.

1. Press the **MENU** (MENU) button.
2. Select ***Installation*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. Enter the password using the **NUMERIC(0~9)** buttons.
4. Select ***Default Setting*** using the ▲/▼ button press the **OK** (OK) or ▶ button.
5. Select ***Yes*** and press the **OK** (OK) button to restore all setting to the factory default. Select ***No*** and press the **OK** (OK) or **BACK** (BACK) button to return to the previous menu.
6. Confirm again to start loading default setting. Enter the password using the **NUMERIC(0~9)** buttons to perform restoring.
7. When completing the default setting, the installation wizard will run automatically. For detailed information about the installation wizard, refer to the ***Chapter 3. Installation Wizard***.

Default Setting
All setting values will be returned to the initial values. Do you want to reset all setting values ?
Password

Note: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

9. Software Update

In order to maintain proper performance of the product, it is essential to have the most up-to-date software. Visit the Humax website to check the latest news and newly released software versions.

http://www.humaxdigital.com.

It is recommended that you periodically check for the availability of software update.

9.1 OTA (Over the Air)

OTA, an abbreviation of ***Over–the-Air***, is a standard for the transmission of software for equipment through a broadcast system. OTA is simply an alternative method for downloading software versions. However, the manufacturers reserve the right for deciding the release of the software for their products by beaming the latest software versions over the air via antenna systems. Note that OTA is only limited to certain geographical regions mainly due to different antennas having different footprints (area where the signal can be received). The software update via satellite system will only occur under the following circumstances.

1. The equipment should have appropriate loader software.

   Caution: Please note that if normal loader software is not equipped, the product may not be updated or operate properly after software update.

2. The manufacturer decides to release the software via a designated antenna system.

Caution:

- Please be careful to keep the power on and the power cord plugged in during software update.
- If the power is off during software update, fatal damage may be caused to the product. Please be careful not to pull out the signal line during software update. Update may be interrupted and the product may not operate.

Note:

- The product will not activate while software update takes place.
- It may take 5 ~10 minutes to update software.
- Scheduling operation cannot work during software update.

1. If new software is found when powering on

1. A message will be displayed to notify that new software is found.
2. Select ***Yes*** and press the **OK** (OK) button to update the software.
3. Starts downloading new software. Please wait until the update is completed.
4. When completing the software update, the product is automatically powered off and on again.

2. If a new version of software is detected during watching a programme

1. A message will be displayed to notify that new software is found.
2. Select ***Yes*** and press the **OK** (OK) button to start upgrading. Select ***No*** and press the **OK** (OK) button to return to the previous screen.

10. System Information

You can view all system information, signal strength and Smartcard information.

1. Press the **MENU** (MENU) button.
2. Select ***System*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.

10.1 Status

You can view system information.

1. IRD Status

1. Select ***Status*** the ▲/▼ button and press the **OK** (OK) or ▶ button.
2. Select ***IRD Status*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. The IRD information will be displayed.

2. Loader Status

1. Select ***Status*** the ▲/▼ button and press the **OK** (OK) or ▶ button.
2. Select ***Loader Status*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. The loader information will be displayed.

Loader Status
IRD Ser# 1 Loader Ver 3.191
Manu ID 15 H/W Ver 19
Load Seq# 255 Key Seq# 0
Variant 0x0 Key Sys ID 0
Key Status OK Key Ver N/A
BIN2IRD Ver BIN2IRD Ser
Sign Date 03/06/2002 Dload Date 03/06/2002
Sign Time CC:CC:CC Dload Time CC:CC:CC
Dload Dur 14:33:48 Image1 size 1
Display Loader Status

10.2 Signal Detection

You can view the signal strength and signal quality.

1. Select ***Signal Detection*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
2. Display information about the graphs and percentage of signal strength and quality of the channel.

10.3 Conditional Access

You can check the information of the Conditional Access components.

10.4 Mail Messages

You can receive mail sent by the broadcasting company. When a new mail arrives, the envelope icon will appear on the screen. Urgent message will be displayed on the screen while you are watching a programme. Select a mail and press the **OK** (OK) button to read the mail

11. Games

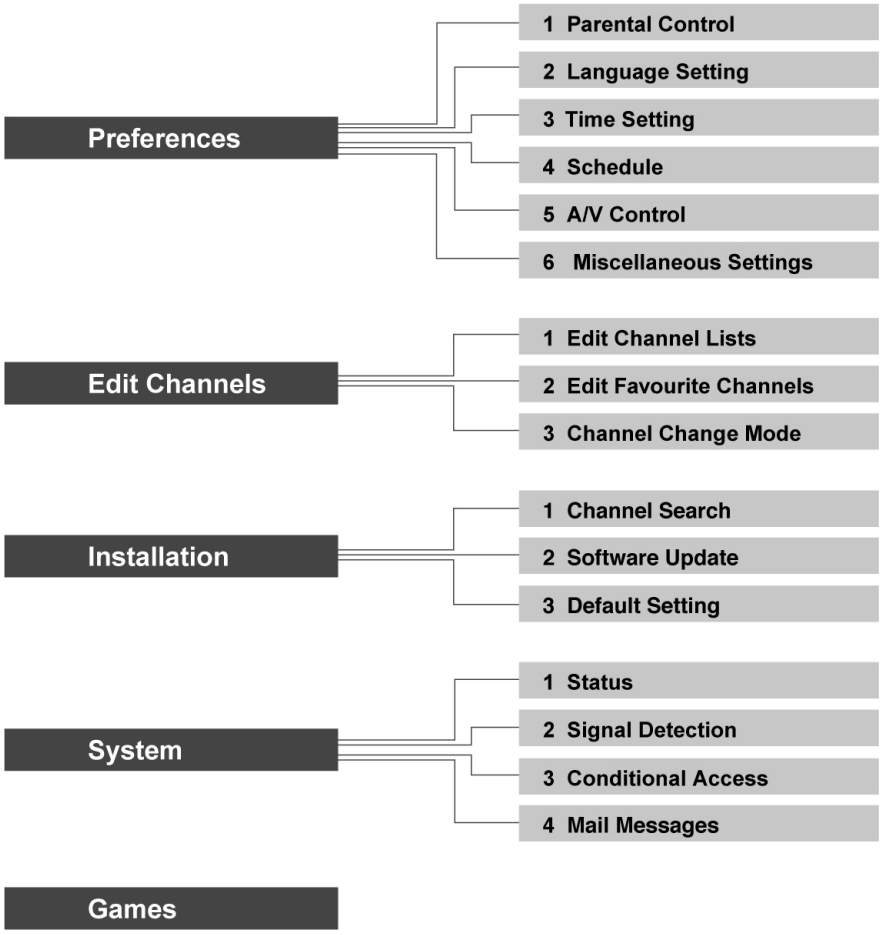
This product provides various games for user's entertainment.

1. Press the **MENU** (MENU) button.
2. Select ***Games*** using the ▲/▼ button and press the **OK** (OK) or ▶ button.
3. According to the instruction displayed on screen, you can enjoy the game using using the ▲/▼/◀/▶ button and **OK** (OK) button.

Note: Press the **EXIT** (EXIT) or **BACK** (BACK) button to exit the game.

You can also enjoy the games by pressing the **GAME** (G) button.

12. Menu Map


Preferences
1 Parental Control
2 Language Setting
3 Time Setting
4 Schedule
5 A/V Control
6 Miscellaneous Settings
Edit Channels
1 Edit Channel Lists
2 Edit Favourite Channels
3 Channel Change Mode
Installation
1 Channel Search
2 Software Update
3 Default Setting
System
1 Status
2 Signal Detection
3 Conditional Access
4 Mail Messages
Games

13. Troubleshooting

13.1 Trouble Shooting

Before contacting your local service centre, please read the tips below carefully. If the problem persists after completing the following procedure, please contact your local product distributor or service centre for further instructions.

1. No message displayed on the front panel. (The product will not switch on.)
   - Check the main power cable and make sure it is plugged into a suitable power outlet.
   - Check that the mains supply is switched on.
   - Check that the power switch is on at the rear of the product (where applicable).
   - Connect the power cable to a different power outlet.
2. No picture on TV set
   - Make sure that the product is power on and in operation mode (Press the STANDBY button).
   - Make sure that the AV cable is firmly connected to the TV.
   - Make sure that the cable is properly connected to the product.
   - Check that you search channels in the menu.
   - Check the brightness level of the TV.
   - Check if the channel is currently on air. Contact the broadcaster to ensure that the channel is running.
   - Press the SOURCE button if the product is in external input mode.
3. Poor picture & sound quality
   - Make sure there is no mobile phone or microwave oven near the equipment.
4. No/poor sound
   - Check that your AV cable is connected correctly.
   - Check the volume levels of your TV set and the product.
   - Check if the product or TV is on mute.
   - Check audio type or soundtrack option in the AV menu.
5. Remote control does not operate.
   - To control the product., the top end of the remote control should point directly towards the receiving part of the product.
   - Remove and reinsert the batteries in the remote control.
   - Replace the batteries in the remote control for a new set.
6. Cannot make reservations.
   - Check that no previous reservations are conflicting with the new reservation.
   - Check that the product is switched on at the time of the reservation.

7. Cannot watch scrambled channels.
   - Check that you have the appropriate Smartcard. Reinsert the Smartcard and make sure it initializes correctly.
   - Check in the menu that the product is detecting the Smartcard.
   - Check in the menu that you have a valid and working subscription to the channels you wish to view.
   - Ensure that the Smartcard is not damaged.
8. No password information is given.
   - The default password is always **0000**.
9. Channel search does not work.
   - Check that your cable is connected correctly.
10. Cannot update new software.
   - You can get an update. If the product does not show a message requesting update, that means no software is available.
11. Cannot watch pay channels.
   - Check in the menu that you have a valid and working subscription to the channels you wish to view.

13. Troubleshooting

13.2 Error Message

Error message	Possible causes	What to do
Please Insert Smartcard	The Smartcard is not present	Insert the Smartcard.
Unknown Smartcard	Faulty Smartcard or not an Irdeto Smartcard.	Insert the appropriate Smartcard. Contact the product distributor if the problem persists.
Smartcard Failure	The current Smartcard may be faulty.	Insert the appropriate Smartcard. Contact the product distributor if the problem persists.
Checking Smartcard	The Smartcard is being verified. It may be inserted up-side down.	
Service is currently scrambled	The Smartcard has expired or the datecode on the card has gone backwards.	Check Smartcard. Contact the product distributor if the problem persists.
Service Unknown	No service is located at the entered channel number.	
Service is currently not running	Operating status of the service is set to Off.	
Parental Control Lock	When the parental rating of the event is greater than the setting made via the Parental Control menu.	Enter the PIN-code or reset the settings.
No Event Information	The information for the current event or service has not been received,	
No Signal	The signal is too weak.	Reset the cable.
No Service available	There are no services available.	Reset the setting and restart channel search.

14. Specification

Tuner and Channel	
Input Connector	IEC-type, IEC-169-2, Female
Frequency Range	47MHz to 862MHz
Input Impedance	75 Ω
Signal Level	-13 to +15 dBm
Demodulation	QAM
Input Symbol Rate	1.5-7Ms/s
Constellation	16-QAM, 32-QAM, 64-QAM, 128-QAM, 256-QAM
MPEG Transport Stream A/V Decoding	
Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
Profile Level	MPEG2 MP@ML
Input Rate	15 Mbit/s Max
Aspect Ratio	4:3, 16:9, 14:9, Letter Box
Video Resolution	720 x 576 / 720 x 480
Audio Decoding	MPEG/MusiCam Layer I and II
Audio Mode	Single channel/Dual channel/Joint Stereo/Stereo
Memory	
Flash Memory	2M bytes
Graphic (MPEG) DRAM	16M bytes
EEPROM	8K bytes

14. Specification

A/V and Data In/Out	
Video	SCART Video Output (CVBS, RGB, S-Video)
Audio	SCART Volume and Mute Control (Resolution: 20 bits DAC, MAX, 2Vrms)
S/PDIF	Digital Audio Output, Fiber-Optic (Resolution: 20 bits)
Power Supply	
Input Voltage	90~250V AC, 50/60Hz
Type	SMPS
Power Consumption	Max. 10 W
Standby Power	Max. 5 W
Protection	Separate internal fuse & Lightning protection
Physical Specifications	
Size	260mm x 50mm x 182mm
Weight (Net)	1.2 Kg
Operating Temp	0 ℃ to + 45 ℃
Storage Humidity	5% ~ 95% RH(Non-Condensing)

15. Glossary

EPG (Electronic Programme Guide)

An electronic equivalent to a printed television listings magazine; it is an application used with digital set-top boxes and digital television sets to list current and scheduled programs that are or will be available on each channel, including a short summary or commentary for each program. The information supplied in the EPG is sent and updated by the channel broadcaster.

Frequency

The property of a signal measured in cycles per second (=Hz).

Hi-Fi (High Fidelity)

The characteristics of audio devices that can play back all the audio frequencies a person can detect, which is the range of 16Hz#20KHz. Sometimes it is used to indicate good quality of audio devices such as stereo tape recorders.

OSD (On Screen Display)

OSD displays the basic information necessary for the users to configure monitor or TV settings. OSD information may include brightness, contrast, tuning, RGB adjustment, and screen size and position.

OTA (Over the Air) or OAD (Over Aerial Download)

A standard for the transmission of software for equipment, through a broadcast system. Manufacturers reserve the right for deciding the release of the software for their products.

SCART

A 21-pin connector standard to connect two pieces of Audio-Visual equipment such as a TV and a VCR. Each device will have a 21-pin female connection; a cable with male connection at both ends is used for connecting the devices.

S/PDIF (Sony/Philips Digital Interface format)

A standard format for the transfer of digital audio signals. It allows the transfer of digital audio between two devices without any conversion to and from analogue, which could degrade the signal quality.

Smartcard

A credit card sized card that contains updateable chip memory. It is used for accessing Pay TV (encrypted) channel or services when inserted into an appropriate receiver.

16. Service and Support

You can get information such as a troubleshooting guide, software upgrades and product support guide from the following web sites and call center (Hotline).

Please try to contact to your local dealers first when facing a problem.

Humax Call Center

Germany	
Tel:	0180 577 8870 (**€** 0,12/Min)
	Mon-Sun 8:00-23:00
	Premiere Hotline - 0180 577 8900
Opening Hours:	Mon-Sun 8:00-23:00
E-mail:	support@humax-digital.de
Website:	www.humax-digital.de
	HCSA (Humax Customer Service Area)
	www.humaxdigital.com/Deutsch/hcsa/
Language:	Deutsch/English

UK	
Tel:	0870 247 8800
Opening Hours:	Mon-Fri 8:30-18:00
E-mail:	uksupport@humax-digital.co.uk
Website:	www.humax-digital.co.uk
Language:	English

Middle East (Dubai, UAE)	
Tel:	+971 (0)4 359 2323
	Sat-Thurs 9:00-20:00 (Closed on Fri.)
Opening Hours:	Sat-Thurs 9:00-20:00(Closed on Fri)
E-mail:	callcenterME@humaxdigital.com
Website:	www.humaxarabia.com
Language:	Arabic/English

Australia	
Tel:	1800 613 011
Opening Hours:	Mon- Fri 9:00- 17:30
E-mail:	techinfoau@humaxdigital.com
Website:	www.humaxdigital.com/australia
Language:	English

Italia	
Tel:	899 100080
	(servizio a pagamento al costo di €1.-+IVA al minuto)
Orario:	ora locale (GMT+1)
	8:00-18:00 da lunedi a venerdi
Lingua:	italiano

Sweden	
Tel:	+46 (0)550 85527
Opening Hours:	Mon-Fri 8:00-16:30
Language:	Swedish/English

Finland	
Tel:	09 56186366
Opening Hours:	Mon-Fri 8:00-16:00
Language:	Finnish/English

Austria	
Tel:	0820 400675 (€ 0,12/Min)

Note: For hardware repair, please visit our website.